

**10th January**

Corbettmaths

$$4\frac{1}{2} + 2\frac{2}{3}$$

Solve  $x^2 + 5x + 6 = 0$

A lamp is on sale at £22.05  
This is a 10% reduction of the normal price.

What was the price of the lamp before the reduction?

50g of lead and 20g of tin are mixed to make an alloy.

The density of lead is  $11\text{g/cm}^3$   
The density of tin is  $7\text{g/cm}^3$

Work out the volume of lead used in the alloy.

Work out the volume of tin used in the alloy.

What is the density of the alloy?